

Application No.: 08/987,775
Inventor: GREFENSTEIN
Reply to Office Action of June 1, 2006
Docket No.: 47587

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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-23. (canceled)

24. (currently amended) A laminated sheet or film comprising the following (co)extruded layers:

a substrate layer comprising - based on the sum of the amounts of the following components A, B and C and, if used, D, which totals 100% by weight -

1 - 99% by weight component A, which is of a graft copolymer of

55 - 80% ~~1 - 99%~~ by weight of a particulate graft base A1 comprising the following monomers:

95-99.9% ~~80 - 99.99%~~ by weight of at least one C₁₋₃-alkyl ester of acrylic acid as component A11;

0.1-5.0% ~~0.01 - 20%~~ by weight of at least one polyfunctional crosslinking monomer as component A12;

20 - 45% ~~1 - 99%~~ by weight of a graft A2 comprising the following monomers, based on A2:

60 - 85% ~~40 - 100%~~ by weight of units of styrene, a substituted styrene or a (meth)acrylate, or mixtures thereof, as component A21 and

15-35% ~~up to 60%~~ by weight of units of acrylonitrile or methacrylonitrile as component A22;

the graft A2 comprising at least one graft shell and the graft copolymer having a mean particle size of 50 - 1000 nm;

1 - 99% by weight of component B, which is a copolymer of

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~~60 - 85%~~ ~~40 - 100%~~ by weight of units of styrene, a substituted styrene or a (meth)acrylate, or mixtures thereof, as component B1, and

~~15 - 40%~~ ~~up to 60%~~ by weight of acrylonitrile or methacrylonitrile as component B2;

10 - 80% by weight of component C, which is a polycarbonate; and

0 - 50% by weight of component D, which is a fibrous or particulate filler or mixtures thereof;

a transparent top layer of polymethyl methacrylate and optionally,

between the top layer and the substrate layer,

an (co)extruded interlayer of impact-modified polymethyl methacrylate, polycarbonate or a molding composition of said substrate layer without polycarbonate, if said substrate layer contains polycarbonate.

25. (canceled)

26. (previously presented) A laminated sheet or film as defined in claim 24, having an overall thickness of from 100 μ m to 10 mm.

27-29. (canceled)

30. (previously presented) A laminated sheet or film as defined in claim 24, wherein the ratio of the MFI values of the individual components of the laminated sheet or film is not more than 3:1.

31. (previously presented) A molding comprising a shaped laminated sheet as defined in claim 24.

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32-33. (canceled)

34. (previously presented) A molding as defined in claim 31 in the form of an automotive exterior bodywork component.

35-40. (canceled)

41. (currently amended) A laminated sheet or film comprising the following (co)extruded layers:

a substrate layer comprising - based on the sum of the amounts of the following components A, B and C and, if used, D, which totals 100% by weight -

1 - 99% by weight component A, which is of a graft copolymer of

55 - 80% ~~1 - 99%~~ by weight of a particulate graft base A1 comprising the following monomers:

95 - 99.9% ~~80 - 99.99%~~ by weight of at least one C₁₋₈-alkyl ester of acrylic acid as component A11;

0.1 - 5.0% ~~0.01 - 20%~~ by weight of at least one polyfunctional crosslinking monomer as component A12;

20 - 45% ~~1 - 99%~~ by weight of a graft A2 comprising the following monomers, based on A2:

60 - 85% ~~40 - 100%~~ by weight of units of styrene, a substituted styrene or a (meth)acrylate, or mixtures thereof, as component A21 and

15 - 35% ~~up to 60%~~ by weight of units of acrylonitrile or methacrylonitrile as component A22;

the graft A2 comprising at least one graft shell and the graft copolymer having a mean particle size of 50 - 1000 nm;

1 - 99% by weight of component B, which is a copolymer of

60 - 85% ~~40 - 100%~~ by weight of units of styrene, a substituted styrene or a

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(meth)acrylate, or mixtures thereof, as component B1, and

15 - 40% ~~up to 60%~~ by weight of acrylonitrile or methacrylonitrile as component B2;

10 - 80% by weight of component C, which is a polycarbonate; and

0 - 50% by weight of component D, which is a fibrous or particulate filler or mixtures thereof;

a transparent layer of polymethyl methacrylate and a transport protection film applied to the outside of said layer of polymethyl methacrylate.

42. (canceled)

43. (currently amended) A laminated sheet or film comprising the following (co)extruded layers:

a substrate layer comprising - based on the sum of the amounts of the following components A, B and C and, if used, D, which totals 100% by weight -

1 - 99% by weight component A, which is of a graft copolymer of

55 - 80% ~~1 - 99%~~ by weight of a particulate graft base A1 comprising the following monomers:

95 - 99.9% ~~80 - 99.99%~~ by weight of at least one C₁₋₈-alkyl ester of acrylic acid as component A11;

0.1 - 5.0% ~~0.01 - 20%~~ by weight of at least one polyfunctional crosslinking monomer as component A12;

20 - 45% ~~1 - 99%~~ by weight of a graft A2 comprising the following monomers, based on A2:

60 - 85% ~~40 - 100%~~ by weight of units of styrene, a substituted styrene or a (meth)acrylate, or mixtures thereof, as component A21 and

15 - 35% ~~up to 60%~~ by weight of units of acrylonitrile or methacrylonitrile as component A22;

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the graft A2 comprising at least one graft shell and the graft copolymer having a mean particle size of 50 - 1000 nm;

1 - 99% by weight of component B, which is a copolymer of

60 - 85% ~~40 - 100%~~ by weight of units of styrene, a substituted styrene or a (meth)acrylate, or mixtures thereof, as component B1, and

15 - 40% ~~up to 60%~~ by weight of acrylonitrile or methacrylonitrile as component B2;

10 - 80% by weight of component C, which is a polycarbonate; and

0 - 50% by weight of component D, which is a fibrous or particulate filler or mixtures thereof;

a transparent top layer of styrene-acrylonitrile copolymer,

and optionally

an (co)extruded interlayer of a styrene-acrylonitrile copolymer.

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